

Sheet 1 of 4

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	910000-2028.1	10/038,891
	APPLICANT Borenstein et al.	
	FILING DATE	GROUP
	January 2, 2002	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
an	AA	US 6,143,293 <sup>1</sup>	11/7/00	Weiss et al.			
an	AB	US 6,245,566	6/12/01	Gearhart et al.			
an	AC	US 5,843,780	12/1/98	Thomson			
an	AD	US 6,200,802	3/13/01	Greene et al.			
an	AE	US 5,486,359	1/23/96	Caplan et al.			
an	AF	US 5,849,553	12/15/98	Anderson et al.			
an	AG	US 5,061,620	10/29/91	Tsukamoto et al.			
an	AH	US 6,183,781	2/6/01	Burke			
an	AI	US 5,843,780	12/1/98	Thomson			
an	AJ	US 6,200,802	3/13/01	Greene et al.			
an	AK	US 5,204,055	4/20/93	Sachs et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
an	AL	WO 01/11011	02/15/01	WIPO				
an	AM	WO 96/40002	12/19/96	WIPO				
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	AP							

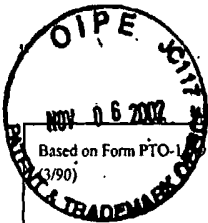
## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

an	AQ		Bell et al., Science 221, 1052 (1981)
a	AR		Burke, et al., Ann Surg 194, 413 (1981)
a	AS		Langer, et al. Science 260, 920 (1993)
an	AT		Vacanti, et al., Materials Research Society 252, 367 (1992)
an	AU		Vacanti, et al., Lancet 354, 32 (1999)

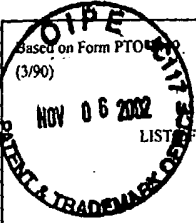
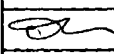
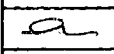
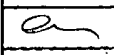
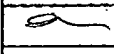
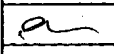
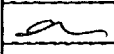
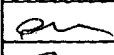
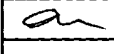
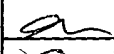

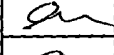

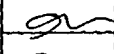
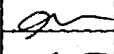
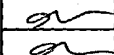

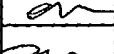
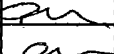
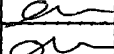
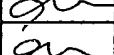
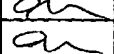

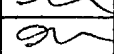
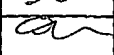
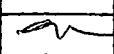


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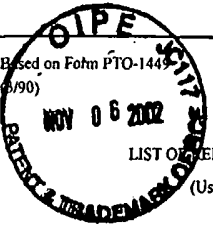
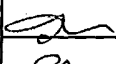
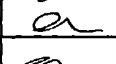
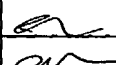
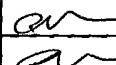

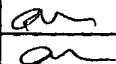
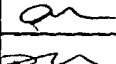
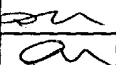
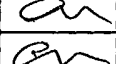

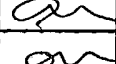
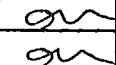
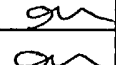
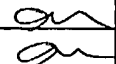


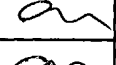

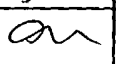
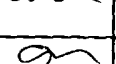
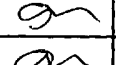

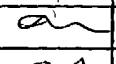
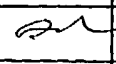

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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO.	SERIAL NO.
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an	AW	Rennie, J. <i>Scientific American</i> 280, 37 (1999)	
an	AX	Lysaght, et al., <i>Tissue Eng</i> 4(3), 231 (1998)	
an	AY	Amedee et al. <i>Differentiation</i> , 58:157-164 (1994)	
an	BA	Burke, et al., <i>Ann Surg</i> 194, 413 (1981)	
an	BB	Compton, et al., <i>Laboratory Investigation</i> 60, 600 (1989)	
an	BC	Parenteau, et al., <i>Journal of Cellular Biochemistry</i> 45, 24 (1991)	
an	BD	Parenteau, et al., <i>Biotechnology and Bioengineering</i> 52, 3 (1996)	
an	BE	Purdue, et al., <i>J. Burn Care Rehab</i> 18, 52 (1997)	
an	BF	Hansbrough and Franco, <i>Clinical Plastic Surg</i> 25, 407 (1998)	
an	BG	Vacanti, et al., <i>Materials Research Society</i> 252, 367 (1992)	
an	BH	Kane, et al., <i>Biomaterials</i> 20, 2363 (1999)	
an	BI	Griffith, et al., <i>Annals of Biomed. Eng.</i> , 26 (1998)	
an	BJ	Griffith, et al., <i>Annals of Biomed. Eng.</i> , 831 (1997)	
an	BK	Polch, et al., <i>Biotechnology Progress</i> , 14, 388 (1998))	
an	BL	Eiselt, et al., <i>Biotechnol. Prog.</i> 14, 134 (1998)	
an	BM	Wang et al, <i>Nature Biotech</i> 20, 602 (2002)	
an	BN	Runyan, et al., <i>Semiconductor Integrated Circuit Processing Technology</i> (Addison-Wesley Publishing Co., Reading MA 1990); <i>Proceedings of the IEEE Micro Electro Mechanical Systems Conference</i> 1987-1998	
an	BO	Jansen, et al., "The Black Silicon Method IV: The Fabrication of Three-Dimensional Structures in Silicon with High Aspect Ratios for Scanning Probe Microscopy and Other Applications," <i>IEEE Proceedings of Micro Electro Mechanical Systems Conference</i> , pp. 88-93 (1995)	
an	BP	Frazier, et al., "Two dimensional metallic microelectrode arrays for extracellular stimulation and recording of neurons", <i>IEEE Proceedings of the Micro Electro Mechanical Systems Conference</i> , pp. 195-200 (1993)	
an	BQ	Lehmann, "Porous Silicon--A New Material for MEMS", <i>IEEE Proceedings of the Micro Electro Mechanical Systems Conference</i> , pp. 1-6 (1996)	
an	BR	Laermer, et al., "Bosch Deep Silicon Etching: Improving Uniformity and Etch Rate for Advanced MEMS Applications," <i>Micro Electro Mechanical Systems</i> , Orlando, FL, USA, (Jan. 17-21, 1999)	
an	BS	Despont, et al., "High-Aspect-Ratio, Ultrathick, Negative-Tone Near-UV Photoresist for MEMS", <i>Proc. of IEEE 10th Annual International Workshop on MEMS</i> , Nagoya, Japan, pp. 518-522 (Jan. 26-30, 1997))	
an	BT	Henry, et al., "Micromachined Needles for the Transdermal Delivery of Drugs," <i>Micro Electro Mechanical Systems</i> , Heidelberg, Germany, pp. 494-498 (Jan. 26-29, 1998)	
an	BU	A.A. Ayon, S. Nagle, L. Frechette, A. Epstein and M.A. Schmidt, "Tailoring etch directionality in a deep reactive ion etching tool," <i>J. Vac. Sci. Tech. B</i> 18, 1412 (2000)	
an	BV	Sachs, et al., <i>Manufacturing Review</i> 5, 117-126 (1992)	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
	BW	Xu, et al. Nat. Biotechnol., 19, 971 (2001)	
	BX	Keller, et al. (1999) Exp. Hematol. 27:777-787	
	BY	Marti, et al. (1995) Nature. 375:322-325	
	BZ	Prelle, et al. (2000) Biochem. Biophys. Res. Commun. 277:631-638	
	CA	Hardt, et al. (1985) Eur. J. Immunol. 15:472-478	
	CB	Huelsenken, et al. (2001) Cell. 105:533-545	
	CC	Ji, et al. (2000) J. Bone Miner. Metab. 18:132-139	
	CD	Migliorati, et al. (1987) J. Immunol. 138:3618-3625	
	CE	Eghbali, et al. (1991) Proc. Natl. Acad. Sci. USA. 88:795-799	
	CF	Niiijima, et al. (1995) J. Neurosci. 15:1180-1194	
	CG	Guo, et al. (1997) Dev. Biol. 184:61-69	
	CH	Ling, et al. (1998) Exp. Neurol. 149:411-423	
	CI	Lopez-Fernandez, et al. (2000) J. Biol. Chem. 275:21653-60	
	CJ	Wang, et al. (1989) Leuk. Res. 13:1091-1097	
	CK	Lako, et al. (2001) Mech. Dev. 103:49-59	
	CL	Evans et al. (1981) Nature 292:154-156	
	CM	Matsui et al. (1991) Nature 353:750-2	
	CN	Thomson et al. (1995) Proc. Natl. Acad. Sci. USA. 92:7844-8	
	CO	Thomson et al. (1998) Science 282:1145-1147	
	CP	Shamblott et al. (1998) Proc. Natl. Acad. Sci. USA 95:13726-31	
	CQ	Mitaka, et al., Biochem Biophys Res Commun 214, 310 (1995)	
	CR	Taneto, et al, Am Jpathol 148, 383 (1996)	
	CS	Mitaka, et al., Hepatology 29, 111 (1999)	
	CT	Teebken, et al., Eur J. Vasa Endovasc. Surg. 19, 381 (2000)	
	CU	Ranucci, et al., Biomaterials 21, 783 (2000)	
	CV	Burg et al., J. Biomed. Mater. Res 51, 642 (2000)	
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 <p>Based on Form PTO-1449 (9/90)</p> <p>LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)</p>		ATTY. DOCKET NO.	SERIAL NO.
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	CW		Jo et al., SPIE 3877, 222 (1999)
	CX		Camporese, et al., IEEE Electron. Device Lett. EDL 2, 61 (1981)
	CY		Block, et al., J Cell Biol, 132, 1133 (1996)
	CZ		Landry, et al., J Cell Biol, 101, 914 (1985)
	DB		Nishikawa, et al., Exp Cell Res, 223, 357 (1996)
	DC		Uyama, et al., Transplantation 55, 932 (1993)
	DD		Den Braber, et al. J. Biomed. Mater. Res. 40, 291 (1998)
	DE		Aiken, et al., J Pediatr Surg 25, 140 (1990)
	DF		Seglen, Methods Cell Biol 13, 29 (1976)
	DG		Schwerer, et al., Clinica Chemica Acta 163, 237 (1987)
	DH		Peterson JE J Pathol Bacteriol 89, 153 (1965)
	DI		Duffy, et al., Anal. Chem. 70, 4974 (1998)
	DJ		Mitaka, et al., Gastroenterol Hepatol 13 Suppl, S70 (1998)
	DK		Tateno, et al., Am J Pathol 149, 1593 (1996)
	DL		Laconi, et al., Am J. Pathol 153, 319 (1998)
	DM		Hansborough & Franco (1998) "Skin Replacements," Clin. Plast. Surg. 25(3): 407-23.
	DN		Henry, et al. (1998) "Micromachined Needles for the Transdermal Delivery of Drugs," The Eleventh Annual International Workshop on Micro Electro Mechanical Systems, Heidelberg, Germany, January 25-29, 1998.
	DO		Kourepentis et al. (1998) "Performance of MEMS Inertial Sensors," Position Location and Navigation Symposium, Aerospace & Electronic Systems Society, Palm Springs, California, April 20-23, 1996
	DP		McWhorter et al. (1997) "Volume 2: Micromachining and Trends for the Twenty-First Century," Handbook of Microlithography, Micromachinery and Microfabrication. Ed. P. Rai-Choudhury, Bellingham, WA: SPIE Press.
	DQ		Rennie, J. ed. (1999) Special Report: The promise of tissue engineering. Scientific American 280: 37.
	DR		Vacanti et al. (1992) "Tissue-Inducing Biomaterials," Materials Research Society Symposium Proceedings 252: 367
	DS		Langer & Vacanti, (1993) "Tissue Engineering," Science 260(5110): 920-6
	DT		Langer & Vacanti, (1999) "Tissue Engineering: The obstacles to building new organs from cells and synthetic polymers are daunting but surmountable," Scientific American 280, 86-89
	DU		Sunback & Vacanti, "Alternatives to liver transplantation: From hepatocyte transplantation to tissue-engineered organs," Gastroenterology 118: 438-442 (2000)
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